



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 20 77 19 63

Classification of the application (IPC):

E21C 35/183, B24C 1/08, B23K 1/00, B23K 1/20, B23K 31/02, B23K 101/00

Technical fields searched (IPC):

E21C, B23K

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	CN 110560866 A (XIAN JINGWEI DRILLING MACHINE MFG CO LTD)	1-3
Y	13 December 2019 (2019-12-13) * abstract * * paragraphs [0024] - [0039]; figures 1-5 *	4-6
Y	CN 102136436 A (WUXI ZHONGWEI GAOKE ELECTRONIC CO LTD) 27 July 2011 (2011-07-27) * abstract * * paragraphs [0016] - [0025]; figures 1-6 *	4-6
A	CN 203956426 U (HUANGHE S & T COLLEGE) 26 November 2014 (2014-11-26) * abstract; figures *	1, 4

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search Munich	Date of completion of the search 25 March 2022	Examiner Jeggy, Thierry
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CATEGORY OF CITED DOCUMENTS

X: particularly relevant if taken alone	P: intermediate document
Y: particularly relevant if combined with another document of the same category	T: theory or principle underlying the invention
A: technological background	E: earlier patent document, but published on, or after the filing date
O: non-written disclosure	D: document cited in the application
& : member of the same patent family, corresponding document	L: document cited for other reasons

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ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on 25-03-2022
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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
CN 110560866	A	13-12-2019	NONE	
CN 102136436	A	27-07-2011	NONE	
CN 203956426	U	26-11-2014	NONE	